

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: April 2, 2002, 19:14:53 ; Search time 88.11 Seconds  
(without alignments)  
282.744 Million cell updates/sec

Title: US-09-486-094-1

Perfect score: 110

Sequence: 1 aggtccgtgtcagcagat.....gaacgtgtcagcagatccgg 110

Scoring table:

IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued\_Patents\_NA:\*
- 1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq.\*
  - 2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq.\*
  - 3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq.\*
  - 4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq.\*
  - 5: /cgn2\_6/ptodata/1/ina/PCTUS.COMB.seq.\*
  - 6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	30.2	27.5	246240	2	US-08-724-394A-21
C 3	30.2	27.5	246240	2	US-08-724-394A-22
C 4	28.4	25.8	35081	2	US-08-752-760A-1
C 5	28	25.5	4403765	4	US-09-103-840A-2
C 6	28	25.5	4411529	4	US-09-103-840A-1
C 7	27.4	24.9	5362	2	US-08-853-310-3
C 8	24.8	22.5	530	2	US-08-346-429-5
C 9	24.8	22.5	1335	3	US-08-985-090-3
C 10	24.8	22.5	1335	3	US-09-165-543-3
C 11	24.8	22.5	1335	3	US-09-167-354-6
C 12	24.8	22.5	1969	3	US-08-346-429-7
C 13	24.8	22.5	2689	3	US-08-985-090-1
C 14	24.8	22.5	2689	3	US-09-165-543-1
C 15	24.8	22.5	2659	3	US-09-167-354-5
C 16	24.6	22.4	289	4	US-09-007-005-17
C 17	24.6	22.4	289	4	US-09-244-736-17
C 18	24.6	22.4	884	3	US-08-901-200A-11
C 19	24.6	22.4	884	3	US-09-219-391-11
C 20	24.6	22.4	1723	1	US-07-841-646-28
C 21	24.6	22.4	1723	1	US-07-901-703-10
C 22	24.6	22.4	1723	1	US-08-147-023-28
C 23	24.6	22.4	1723	1	US-08-206-864-3
C 24	24.6	22.4	1723	1	US-08-278-729A-20
C 25	24.6	22.4	1723	1	US-08-480-528A-7
C 26	24.6	22.4	1723	1	US-08-479-666-7
C 27	24.6	22.4	1723	1	US-08-155-343A-20

28	24.6	22.4	1723	1	US-08-406-672-20	Sequence 20, Appl
29	24.6	22.4	1723	1	US-08-643-563A-20	Sequence 20, Appl
30	24.6	22.4	1723	1	US-08-447-570-28	Sequence 28, Appl
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32	24.6	22.4	1723	1	US-08-462-623-20	Sequence 20, Appl
33	24.6	22.4	1723	1	US-08-451-953A-20	Sequence 20, Appl
34	24.6	22.4	1723	2	US-08-459-346-5	Sequence 5, Appl
35	24.6	22.4	1723	2	US-08-445-468A-20	Sequence 20, Appl
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39	24.6	22.4	1723	2	US-08-912-088-20	Sequence 20, Appl
40	24.6	22.4	1723	3	US-08-278-730A-20	Sequence 20, Appl
41	24.6	22.4	1723	3	US-08-889-419-5	Sequence 5, Appl
42	24.6	22.4	1723	3	US-08-445-467-20	Sequence 20, Appl
43	24.6	22.4	1723	3	US-08-480-515A-20	Sequence 20, Appl
44	24.6	22.4	1723	3	US-09-219-391-7	Sequence 7, Appl
45	24.6	22.4	1723	3		

ALIGNMENTS

RESULT 1  
US-08-724-394A-20/c  
; Sequence 20, Application US/08724394A  
; Patent No. 5872237  
; GENERAL INFORMATION:  
; APPLICANT: Feder, John N.  
; APPLICANT: Kronmal, Gregory S.  
; APPLICANT: Lauer, Peter M.  
; APPLICANT: Ruddy, David A.  
; APPLICANT: Thomas, Winston  
; APPLICANT: Tsuchihashi, Zenta  
; APPLICANT: Wolff, Roger K.  
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el  
; TITLE OF INVENTION: Sequences and Antibodies Thereto  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP  
; STREET: Two Embarcadero Center, 8th Floor  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/724.394A  
; FILING DATE: 01-OCT-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fitts, Renee A.  
; REGISTRATION NUMBER: 35,136  
; REFERENCE/DOCKET NUMBER: 017957-000100  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-576-0200  
; TELEFAX: 415-576-0300  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 246240 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: cDNA  
; NAME/KEY: misc feature  
; LOCATION: 1..246240  
; OTHER INFORMATION: /note= "HLA-H.CONTIG"

US-08-724-394A-20

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Db 47382 AGGACCATGAGCTTGGAGACATGAAGTACAGGAGGAGGGTGGTTCAATAATCTG 47324

RESULT 2
US-08-724-394A-21/c
; Sequence 21, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereof
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
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Best Local Similarity 69.5%; Pred. No. 1.2;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

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Db 47382 AGGACCATGAGCTTGGAGACATGAAGTACAGGAGGAGGGTGGTTCAATAATCTG 47324

RESULT 3
US-08-724-394A-21/c
; Sequence 21, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereof
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
US-08-724-394A-21

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Best Local Similarity 69.5%; Pred. No. 1.2;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

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RESULT 4
US-08-752-760A-1/c
; Sequence 1, Application US/08752760A
; Patent No. 5977011
; GENERAL INFORMATION:
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Smith, Alan E.
; TITLE OF INVENTION: CHIMERIC ADENOVIRAL VECTORS
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Baker & Botts, L.L.P.
; STREET: 30 Rockefeller Plaza
```

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US-08-724-394A-22/c
; Sequence 22, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; TITLE OF INVENTION: Sequences and Antibodies Thereof
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
US-08-724-394A-22

Query Match          27.5%; Score 30.2; DB 2; Length 246240;
Best Local Similarity 69.5%; Pred. No. 1.2;
Matches 41; Conservative 0; Mismatches 18; Indels 0; Gaps 0;

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Db 47382 AGGACCATGAGCTTGGAGACATGAAGTACAGGAGGAGGGTGGTTCAATAATCTG 47324

RESULT 5
US-08-752-760A-1/c
; Sequence 1, Application US/08752760A
; Patent No. 5977011
; GENERAL INFORMATION:
; APPLICANT: Armentano, Donna
; APPLICANT: Gregory, Richard J.
; APPLICANT: Smith, Alan E.
; TITLE OF INVENTION: CHIMERIC ADENOVIRAL VECTORS
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Baker & Botts, L.L.P.
; STREET: 30 Rockefeller Plaza
```

CITY: New York  
STATE: NY  
COUNTRY: U.S.A.  
ZIP: 10112  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/752,760A  
FILING DATE: 20-NOV-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Seide, Rochelle K  
REGISTRATION NUMBER: 32,300  
REFERENCE/DOCKET NUMBER: A31385  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-705-5000  
TELEFAX: 212-705-5020  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 35081 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-752-760A-1

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Best Local Similarity 54.9%; Pred. No. 2.6; Mismatches 46; Indels 0; Gaps 0;  
Matches 56; Conservative 0;  
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Db 30251 TGTGAAGTAGCTAACAGTCGAAGGGGGTCGGGGAGGGGGCTCTTAAGTACTGAATCA 30192  
QY 68 ggcctactagctcggcaggagcaactgtctgcagcgatccg 109  
Db 30191 TGGGAACATGATTCTCGGGGAGGGGGTGTGGGTGGTGGC 30150

RESULT 5  
US-09-103-840A-2  
; Sequence 2, Application US/09103840A  
; Patent No. 6294328  
; GENERAL INFORMATION:  
; APPLICANT: FLEISCHMAN, Robert D.  
; APPLICANT: WHITE, Owen R.  
; APPLICANT: FRASER, Claire M.  
; APPLICANT: VENTER, John C.  
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
; FILE REFERENCE: 24366-20007.00  
; CURRENT APPLICATION NUMBER: US/09/103,840A  
; CURRENT FILING DATE: 1998-06-24  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 4403765  
; TYPE: DNA  
; ORGANISM: Mycobacterium tuberculosis  
; FEATURE:  
; OTHER INFORMATION: CDC 1551  
; OTHER INFORMATION: "n" bases at various positions throughout the sequence  
; OTHER INFORMATION: represent a, t, c or g  
US-09-103-840A-2

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Best Local Similarity 60.5%; Pred. No. 13;  
Matches 46; Conservative 0; Mismatches 30; Indels 0; Gaps 0;  
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QY 89 gcgaacgtgtcgacgg 104  
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RESULT 6  
US-09-103-840A-1  
; Sequence 1, Application US/09103840A  
; Patent No. 6294328  
; GENERAL INFORMATION:  
; APPLICANT: FLEISCHMAN, Robert D.  
; APPLICANT: WHITE, Owen R.  
; APPLICANT: FRASER, Claire M.  
; APPLICANT: VENTER, John C.  
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM  
; FILE REFERENCE: 24366-20007.00  
; CURRENT APPLICATION NUMBER: US/09/103,840A  
; CURRENT FILING DATE: 1998-06-24  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 4411529  
; TYPE: DNA  
; ORGANISM: Mycobacterium tuberculosis  
; OTHER INFORMATION: H37RV  
US-09-103-840A-1

Query Match 25.5%; Score 28; DB 4; Length 4411529;  
Best Local Similarity 60.5%; Pred. No. 13;  
Matches 46; Conservative 0; Mismatches 30; Indels 0; Gaps 0;  
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QY 89 gcgaacgtgtcgacgg 104  
Db 73529 gtgttcgtggcaacgg 73544  
RESULT 7  
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; Sequence 3, Application US/08853310  
; Patent No. 5948640  
; GENERAL INFORMATION:  
; APPLICANT: Randazzo, Filippo  
; TITLE OF INVENTION: Mammalian Additional Sex Combs (Asx) Acts as a Tumor Suppre  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: California  
; COUNTRY: U.S.A.  
; ZIP: 94608  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/853,310  
; FILING DATE:





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RESULT 15  
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; Sequence 5, Application US/09167354A  
; Patent No. 6136559  
; GENERAL INFORMATION:  
; APPLICANT: Lovenberg, Timothy  
; APPLICANT: Erlander, Mark



